**Vatsal Dave**

19 Groendyke Ln, Plainsboro, NJ 08536

(609) 533-7109

vatsal.dave02@gmail.com

## **EDUCATION**

**Rutgers University, School of Engineering New Brunswick, NJ**B.S. in Civil & Environmental Engineering Expected May 2024

* GPA: 3.8

**WW-P North High School Plainsboro, NJ**High School Diploma Sept. 2016 – June 2020

* GPA: 3.4

## **WORK EXPERIENCE**

**Jacobs Engineering Morristown, NJ**

Clients: NJDOT, NJDEP, NJ Turnpike Authority, NJ/NY Port Authority, Metropolitan Transportation AuthorityWater Resources Intern January 2022 – Current Day

* Created & analyzed flood zones maps for Highways, Airports, and Rail systems
* Identified bridges ideal for bridge replacement on major NJ highways
* Created multiple GIS maps for flooding and construction work
* Basic CADD work involving Stormwater Manufactured Treatment Devices
* Completed Quantity takeoffs and Estimation for projects over 3 million dollars in value
  + Quantity takeoffs in:
    - Site utilities
    - Earthwork
    - Site Utilities

**Lifetime Fitness Princeton Princeton, NJ**Lifeguard June 2021 – February. 2022

* Watched upwards of 70 patrons in pools
* Highly competent in high-class customer service

## **EXTRACURRICULAR ACTIVITIES**

* Eagle Scout
  + Planned and carried out Eagle Work Project for Wicoff Elementary School
    - Constructed wooden pergola 15 x 8 x 10 feet.
    - Experienced in drafting construction plans and basic architecture.
    - Managed 200 plus hours of work over 4-month period, Directing over 40 scouts
    - Experienced in process of NJ construction permits submission and gaining approval with Plainsboro Township, NJ.
* Publication in NCBI for protein analysis of Spirodela Polyzhira

## **SKILLS** **Computer Skills:** Fluent in Microsoft Office suite, Blender 3D modeling, ArcGIS, AutoCAD, Java, Python and Microstation

# **CLASSES**

**Notable Classes taken:** Intro to CADD, Math Core up to Differential Equations, Physics 2, Mechanics of Solids, Engineering Mechanics – Dynamics, Scientific & Technical writing